

## **ABSTRACT**

An improved structure automobile engine crankcase oil drain tap plug that provides for airtight thread fastening in oil drain holes, its top side having an embedded annular magnet that attracts and collects friction-generated metal particles suspended in engine crankcase oil and its internal section having a steel ball valve capable of a predetermined range of upward and downward travel, thereby enabling the downward release and drawing out of engine oil in the crankcase, with its lowermost extremity featuring a threaded sealing ring that ensures that engine crankcase oil does not leak.